

# Deming Sun

## List of Publications by Year in descending order

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81  
papers

2,480  
citations

218677

26  
h-index

254184

43  
g-index

86  
all docs

86  
docs citations

86  
times ranked

2567  
citing authors

#	ARTICLE	IF	CITATIONS
1	Myelin Antigen-Specific CD8+ T Cells Are Encephalitogenic and Produce Severe Disease in C57BL/6 Mice. <i>Journal of Immunology</i> , 2001, 166, 7579-7587.	0.8	392
2	Characterization of IL-17 <sup>+</sup> Interphotoreceptor Retinoid-Binding Protein-Specific T Cells in Experimental Autoimmune Uveitis. , 2007, 48, 4153.		110
3	Major Role of $\hat{I}3\hat{I}$ T Cells in the Generation of IL-17+ Uveitogenic T Cells. <i>Journal of Immunology</i> , 2009, 183, 560-567.	0.8	107
4	Anti-Inflammatory Role of IL-17 in Experimental Autoimmune Uveitis. <i>Journal of Immunology</i> , 2009, 182, 3183-3190.	0.8	92
5	Mouse $\hat{I}3\hat{I}$ T cells are capable of expressing MHC class II molecules, and of functioning as antigen-presenting cells. <i>Journal of Neuroimmunology</i> , 2008, 203, 3-11.	2.3	82
6	Severe chronic experimental autoimmune uveitis (EAU) of the C57BL/6 mouse induced by adoptive transfer of IRBP1 $\hat{a}$ €20-specific T cells. <i>Experimental Eye Research</i> , 2006, 82, 323-331.	2.6	68
7	Analysis of $\hat{I}3\hat{I}$ T Cell Functions in the Mouse. <i>Journal of Immunology</i> , 2010, 184, 4055-4061.	0.8	53
8	Activated $\hat{I}3\hat{I}$ T Cells Promote the Activation of Uveitogenic T Cells and Exacerbate EAU Development. , 2011, 52, 5920.		52
9	Novel Exosome-Targeted CD4+ T Cell Vaccine Counteracting CD4+25+ Regulatory T Cell-Mediated Immune Suppression and Stimulating Efficient Central Memory CD8+ CTL Responses. <i>Journal of Immunology</i> , 2007, 179, 2731-2740.	0.8	51
10	IL-23 Receptor Expression on $\hat{I}3\hat{I}$ T Cells Correlates with Their Enhancing or Suppressive Effects on Autoreactive T Cells in Experimental Autoimmune Uveitis. <i>Journal of Immunology</i> , 2013, 191, 1118-1125.	0.8	47
11	Encephalitogenic activity of truncated myelin oligodendrocyte glycoprotein (MOG) peptides and their recognition by CD8+ MOG-specific T cells on oligomeric MHC class I molecules. <i>International Immunology</i> , 2003, 15, 261-268.	4.0	45
12	IL-22 $\hat{a}$ €Induced Regulatory CD11b+ APCs Suppress Experimental Autoimmune Uveitis. <i>Journal of Immunology</i> , 2011, 187, 2130-2139.	0.8	42
13	Ocular Regulatory T Cells Distinguish Monophasic from Recurrent Autoimmune Uveitis. , 2008, 49, 3999.		40
14	Regulatory Role of TLR Ligands on the Activation of Autoreactive T Cells by Retinal Astrocytes. , 2009, 50, 4769.		39
15	Regulatory Effect of $\hat{I}3\hat{I}$ T Cells on IL-17 <sup>+</sup> Uveitogenic T Cells. , 2010, 51, 4661.		39
16	Conversion of Monophasic to Recurrent Autoimmune Disease by Autoreactive T Cell Subsets. <i>Journal of Immunology</i> , 2003, 171, 5624-5630.	0.8	37
17	Reactivation of Uveitogenic T Cells by Retinal Astrocytes Derived from Experimental Autoimmune Uveitis-Prone B10RIII Mice. , 2008, 49, 282.		37
18	Retinal pigment epithelial cells activate uveitogenic T cells when they express high levels of MHC class II molecules, but inhibit T cell activation when they express restricted levels. <i>Journal of Neuroimmunology</i> , 2003, 144, 1-8.	2.3	35

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19	A New Model of Experimental Autoimmune Keratoconjunctivitis Sicca (KCS) Induced in Lewis Rat by the Autoantigen Klk1b22. , 2009, 50, 2245.		35
20	Role of CD25+ Dendritic Cells in the Generation of Th17 Autoreactive T Cells in Autoimmune Experimental Uveitis. Journal of Immunology, 2012, 188, 5785-5791.	0.8	35
21	A Shared Epitope of the Interphotoreceptor Retinoid-Binding Protein Recognized by the CD4+ and CD8+ Autoreactive T Cells. Journal of Immunology, 2005, 175, 1851-1857.	0.8	34
22	Lymphotoxin $\alpha$ , $\beta$ 2 receptor-Ig fusion protein treatment blocks actively induced, but not adoptively transferred, uveitis in Lewis rats. European Journal of Immunology, 2003, 33, 1736-1743.	2.9	33
23	Anti-Inflammatory or Proinflammatory Effect of an Adenosine Receptor Agonist on the Th17 Autoimmune Response Is Inflammatory Environment-Dependent. Journal of Immunology, 2014, 193, 5498-5505.	0.8	33
24	CD73 Expressed on $\beta$ 1 T Cells Shapes Their Regulatory Effect in Experimental Autoimmune Uveitis. PLoS ONE, 2016, 11, e0150078.	2.5	33
25	The HMGB1 $\alpha$ -CXCL12 Complex Promotes Inflammatory Cell Infiltration in Uveitogenic T Cell-Induced Chronic Experimental Autoimmune Uveitis. Frontiers in Immunology, 2017, 8, 142.	4.8	33
26	$\beta$ 1 T Cells and B Cells. Advances in Immunology, 2017, 134, 1-45.	2.2	32
27	$\beta$ 1 T Cell-Dependent Regulatory T Cells Prevent the Development of Autoimmune Keratitis. Journal of Immunology, 2015, 195, 5572-5581.	0.8	31
28	Chronic recurrent autoimmune uveitis with progressive photoreceptor damage induced in rats by transfer of IRBP-specific T cells. Journal of Neuroimmunology, 2005, 163, 102-109.	2.3	30
29	A Distinct Role of CD4+ Th17- and Th17-Stimulated CD8+ CTL in the Pathogenesis of Type 1 Diabetes and Experimental Autoimmune Encephalomyelitis. Journal of Clinical Immunology, 2011, 31, 811-826.	3.8	30
30	Roles of the Adenosine Receptor and CD73 in the Regulatory Effect of $\beta$ 1 T Cells. PLoS ONE, 2014, 9, e108932.	2.5	30
31	PD-L1hi retinal pigment epithelium (RPE) cells elicited by inflammatory cytokines induce regulatory activity in uveitogenic T cells. Journal of Leukocyte Biology, 2010, 88, 1241-1249.	3.3	29
32	miR-223 $\alpha$ promotes autoreactive T <sub>H</sub> 17 cell responses in experimental autoimmune uveitis (EAU) by inhibiting transcription factor FOXO3 expression. FASEB Journal, 2019, 33, 13951-13965.	0.5	29
33	A2B adenosine receptor activation switches differentiation of bone marrow cells to a CD11c + Gr $\alpha$ 1 + dendritic cell subset that promotes the Th17 response. Immunity, Inflammation and Disease, 2015, 3, 360-373.	2.7	27
34	A canonical V $\beta$ 4+ $\beta$ 1 T cell population with distinct stimulation requirements which promotes the Th17 response. Immunologic Research, 2013, 55, 217-230.	2.9	26
35	An A2B Adenosine Receptor Agonist Promotes Th17 Autoimmune Responses in Experimental Autoimmune Uveitis (EAU) via Dendritic Cell Activation. PLoS ONE, 2015, 10, e0132348.	2.5	26
36	Human umbilical cord mesenchymal stem cells alleviate ongoing autoimmune dacryoadenitis in rabbits via polarizing macrophages into an anti-inflammatory phenotype. Experimental Eye Research, 2020, 191, 107905.	2.6	26

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37	Characterization of Autoreactive and Bystander IL-17 <sup>+</sup> T Cells Induced in Immunized C57BL/6 Mice. , 2012, 53, 897.		24
38	Retinoic Acid Inhibits CD25 <sup>+</sup> Dendritic Cell Expansion and $\hat{\beta}$ T-Cell Activation in Experimental Autoimmune Uveitis. , 2013, 54, 3493.		24
39	Heterogeneity of rat encephalitogenic T cells elicited by variants of the myelin basic protein (68â€“86) peptide. European Journal of Immunology, 1995, 25, 1687-1692.	2.9	23
40	Adipose-Derived Mesenchymal Stem Cells Reduce Lymphocytic Infiltration in a Rabbit Model of Induced Autoimmune Dacryoadenitis. , 2016, 57, 5161.		23
41	Retinal Astrocytes Pretreated with NOD2 and TLR2 Ligands Activate Uveitogenic T Cells. PLoS ONE, 2012, 7, e40510.	2.5	22
42	Retinal astrocytes respond to IL-17 differently than retinal pigment epithelial cells. Journal of Leukocyte Biology, 2009, 86, 1377-1384.	3.3	21
43	Anti-CD3 antibody ameliorates experimental autoimmune uveitis by inducing both IL-10 and TGF- $\hat{\beta}$ 2 dependent regulatory T cells. Clinical Immunology, 2011, 138, 311-320.	3.2	20
44	Antigen-Specific Regulation of IgE Antibodies by Non-Antigenâ€“Specific $\hat{\beta}$ T Cells. Journal of Immunology, 2013, 190, 913-921.	0.8	20
45	HMGB1 is an early and critical mediator in an animal model of uveitis induced by IRBP-specific T cells. Journal of Leukocyte Biology, 2013, 95, 599-607.	3.3	20
46	In Vitro Activation of CD8 Interphotoreceptor Retinoid-Binding Protein-Specific T Cells Requires not only Antigenic Stimulation but also Exogenous Growth Factors. Journal of Immunology, 2006, 176, 5006-5014.	0.8	19
47	In vivo priming of IL-17+ uveitogenic T cells is enhanced by Toll ligand receptor (TLR)2 and TLR4 agonists via $\hat{\beta}$ T cell activation. Molecular Immunology, 2012, 50, 125-133.	2.2	19
48	The role of Th17-associated cytokines in the pathogenesis of experimental autoimmune uveitis (EAU). Cytokine, 2015, 74, 76-80.	3.2	19
49	Choroidal $\hat{\beta}$ T cells in protection against retinal pigment epithelium and retinal injury. FASEB Journal, 2017, 31, 4903-4916.	0.5	19
50	Short chain fatty acids inhibit endotoxin-induced uveitis and inflammatory responses of retinal astrocytes. Experimental Eye Research, 2021, 206, 108520.	2.6	18
51	Blockade of Extracellular ATP Effect by Oxidized ATP Effectively Mitigated Induced Mouse Experimental Autoimmune Uveitis (EAU). PLoS ONE, 2016, 11, e0155953.	2.5	17
52	Suppression of Established Experimental Autoimmune Uveitis by Anti-LFA-1 $\hat{\pm}$ Ab. , 2007, 48, 2667.		16
53	Local S100A8 Levels Correlate With Recurrence of Experimental Autoimmune Uveitis and Promote Pathogenic T Cell Activity. , 2018, 59, 1332.		16
54	Regulation of Adenosine Deaminase on Induced Mouse Experimental Autoimmune Uveitis. Journal of Immunology, 2016, 196, 2646-2654.	0.8	15

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55	TLR7 Engagement on Dendritic Cells Enhances Autoreactive Th17 Responses via Activation of ERK. <i>Journal of Immunology</i> , 2016, 197, 3820-3830.	0.8	14
56	Î³Î³ T cells recognize the insulin B:9â€“23 peptide antigen when it is dimerized through thiol oxidation. <i>Molecular Immunology</i> , 2014, 60, 116-128.	2.2	13
57	HMGB1 release triggered by the interaction of live retinal cells and uveitogenic T cells is Fas/FasL activation-dependent. <i>Journal of Neuroinflammation</i> , 2015, 12, 179.	7.2	13
58	Heat shock protein 70 protects mouse against post-infection irritable bowel syndrome via up-regulating intestinal Î³Î³ T cellâ€™s Th17 response. <i>Cell and Bioscience</i> , 2018, 8, 38.	4.8	12
59	The role of regulatory T cells in Lewis rats resistant to EAE1 Supported by grants RG2790 and R2932 from the National Multiple Sclerosis Society, by grant AI22519, and AI33011 from the National Institutes of Health and by the Research Program of the Veterans Administration.1. <i>Journal of Neuroimmunology</i> , 1998, 81, 177-183.	2.3	11
60	Sequence 168 to 177 of interphotoreceptor retinoid-binding protein (IRBP) is an antigenic epitope for autoreactive CD8 T cells in the B10R.III mouse. <i>Journal of Neuroimmunology</i> , 2008, 193, 68-76.	2.3	11
61	Functional Conversion and Dominance of Î³Î³ T Subset in Mouse Experimental Autoimmune Uveitis. <i>Journal of Immunology</i> , 2017, 198, 1429-1438.	0.8	11
62	High level expression of A2ARs is required for the enhancing function, but not for the inhibiting function, of Î³Î³ T cells in the autoimmune responses of EAU. <i>PLoS ONE</i> , 2018, 13, e0199601.	2.5	11
63	PPAR-Î± Agonist Fenofibrate Ameliorates Sjögren Syndromeâ€“Like Dacryoadenitis by Modulating Th1/Th17 and Treg Cell Responses in NOD Mice. , 2022, 63, 12.		11
64	Toll-Like Receptor-Mediated Activation of CD39 Internalization in BMDCs Leads to Extracellular ATP Accumulation and Facilitates P2X7 Receptor Activation. <i>Frontiers in Immunology</i> , 2019, 10, 2524.	4.8	9
65	Connection between Î³Î³ T-cellâ€“ and Adenosine-Mediated Immune Regulation in the Pathogenesis of Experimental Autoimmune Uveitis. <i>Critical Reviews in Immunology</i> , 2018, 38, 233-243.	0.5	8
66	Adenosine receptor activation in the Th17 autoimmune responses of experimental autoimmune uveitis. <i>Cellular Immunology</i> , 2019, 339, 24-28.	3.0	8
67	Ability of Î³Î³ T cells to modulate the Foxp3 T cell response is dependent on adenosine. <i>PLoS ONE</i> , 2018, 13, e0197189.	2.5	7
68	Vaccination with circulating exosomes in autoimmune uveitis prevents recurrent intraocular inflammation. <i>Clinical and Experimental Ophthalmology</i> , 2021, 49, 1069-1077.	2.6	7
69	Î³Î³ T Cells Activated in Different Inflammatory Environments Are Functionally Distinct. <i>Journal of Immunology</i> , 2022, 208, 1224-1231.	0.8	7
70	Î³Î³ T cells shape memory-phenotype Î±Î² T cell populations in non-immunized mice. <i>PLoS ONE</i> , 2019, 14, e0218827.	2.5	6
71	CD73+ Dendritic Cells in Cascading Th17 Responses of Experimental Autoimmune Uveitis-Induced Mice. <i>Frontiers in Immunology</i> , 2020, 11, 601272.	4.8	6
72	Timing Effect of Adenosine-Directed Immunomodulation on Mouse Experimental Autoimmune Uveitis. <i>Journal of Immunology</i> , 2021, 207, 153-161.	0.8	6

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73	Upregulated adenosine 2A receptor accelerates post-infectious irritable bowel syndrome by promoting CD4+ T cellsâ€™ T helper 17 polarization. World Journal of Gastroenterology, 2022, 28, 2955-2967.	3.3	6
74	Î±Î² TCR+T Cells, but Not B Cells, Promote Autoimmune Keratitis in B10 Mice Lacking Î³Î´ T Cells. , 2012, 53, 301.		5
75	Regulation of Interphotoreceptor Retinoid-Binding Protein (IRBP)-Specific Th1 and Th17 Cells in Anterior Chamber-Associated Immune Deviation (ACAID). , 2009, 50, 5811.		4
76	Bidirectional Effect of IFN-Î³ on Th17 Responses in Experimental Autoimmune Uveitis. Frontiers in Ophthalmology, 2022, 2, .	0.5	4
77	Augmented Th17-stimulating activity of BMDCs as a result of reciprocal interaction between Î³Î´ and dendritic cells. Molecular Immunology, 2021, 134, 13-24.	2.2	3
78	Damage-associated Molecular Patterns in Clinical and Animal Models of Uveitis. Ocular Immunology and Inflammation, 2021, , 1-7.	1.8	1
79	Adenosine Receptor Ligation Tips the Uveitogenic Th1 and Th17 Balance Towards the Latter in Experimental Autoimmune Uveitis-Induced Mouse. SSRN Electronic Journal, 0, , .	0.4	0
80	Adenosine receptor ligation tips the uveitogenic Th1 and Th17 balance towards the latter in experimental autoimmune uveitis-induced mouse. Current Research in Immunology, 2021, 2, 93-103.	2.8	0
81	TLR ligand ligation switches adenosine receptor usage of BMDCs leading to augmented Th17 responses in experimental autoimmune uveitis. Current Research in Immunology, 2022, 3, 73-84.	2.8	0